



"Education for Knowledge, Science, and Culture"

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur  
(Autonomous)**



Empowered Autonomous

**Guest Lecture**

**Organized by**

**Department of Botany**

**on**

**9<sup>th</sup> February, 2022**

Guest Lecture

Department of Botany



Vivekanand College, Kolhapur (Autonomous)  
Department of Botany

“Guest lecture on Non- Chemical Methods of Pest Control”

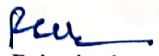
9<sup>th</sup> February, 2022

Index

Sr. No	Documents	Page No.
1.	Permission Letter	1
2.	Notice	2
3.	Invitation Letter	3
4.	Program copy	4
5.	Attendance	5-7
6.	Photos	8
7.	Appreciation letter	9
8.	One Page Report	10-12

  
Head  
Department of Botany  
Vivekanand College  
Kolhapur



  
Principal  
Vivekanand College, Kolhapur

"Dissemination of Education for Knowledge, Science and Culture"

-Shikshanmaharshi Dr. Bapuji Salunke

Shree Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur (Empowered Autonomous)

Department of Botany

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Date-07/02/2022

To  
The Principal,  
Vivekanand College, Kolhapur (Autonomous).

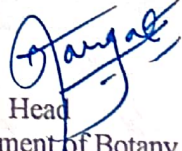
**Subject-**Permission to organize guest lecture for B.Sc. II & III students.

Respected Sir,

On February 9, 2022, the Department of Botany wishes to host a guestlecture for B. Sc. students on the subject organic farming and non-chemical pest management approaches.

Kindly permit us for the same.

Thanking You.

  
Head  
Department of Botany  
Head  
Department of Botany  
Vivekanand College  
Kolhapur

2







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Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur**  
**(Empowered Autonomous)**



## Department of Botany

### Notice

Date- 07/02/2022

Students of B.Sc. II & III are hereby informed that the guest lecture on the topic "Non - chemical methods of pest control" is arranged on Friday dated 9<sup>th</sup> February 2022 at 11:30 a.m. at department of botany. Come ten minutes early for the talk to begin.

  
Dr. B. T. Dangat

  
(Head, Department of Botany)  
Vivekanand College  
Kolhapur





Shri Swami Vivekanand Shikshan Sanstha's  
**VIVEKANAND COLLEGE, KOLHAPUR** (EMPOWERED AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur -416003

Affiliated to Shivaji University, Kolhapur (M.S.)

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Founder  
Dr. Bapuji Salunkhe  
D.Lit.

President  
Hon. Chandrakant Dada Patil  
MLA

Chairman  
Prin. Abhaykumar Salunkhe  
M.A.

Secretary  
Prin.Mrs. Shubhangi Gawade  
M.Sc.,B.Ed.

Principal  
Dr. R. R. Kumbhar  
M.Sc.,M.Phil.,Ph.D.

Ref. No. VCK/

Date : 05/02/20 22

To,  
Prof. Dr. P.B Mohite  
Professor in Entomology  
Agriculture College, Kolhapur.

Sub- Invitation as guest speaker for B. Sc II and III students on 9<sup>th</sup> February 2022.


Respected Sir,

We wish to invite you to deliver a guest lecture on the topic " Non-Chemical Methods of Pest Control" for the B.Sc. II and III students of our college. Your vast knowledge and experience in this subject would be highly beneficial for our students and faculty members. The lecture is scheduled to be held on 09<sup>th</sup> February 2022, from 11:00 am onwards, at the department of Botany of our college. We request you to kindly confirm your availability and acceptance of our invitation at the earliest.

Thanking you,

Yours sincerely,

  
Dr. B.T. Dangat  
Head  
Department of Botany,  
Vivekanand College  
Kolhapur

  
Dr. R. R. Kumbhar  
PRINCIPAL  
Vivekanand College  
Kolhapur





“Dissemination of Education for Knowledge, Science and Culture”  
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Shri Swami Vivekanand Shikshan Sanstha's

**Vivekanand College, Kolhapur (Autonomous)**

**DEPARTMENT OF BOTANY**

**“GUEST LECTURE ON NON-CHEMICAL METHODS OF  
PEST CONTROL”**

\*\*\*\*\*

**Programme Schedule**

- **Welcome**
- **Felicitation**
- **Chief Guest:** **Prof. Dr. P. B. Mohite**  
(Agriculture college, Kolhapur)
- **President:** **Principal. Dr. R. R. Kumbhar**  
(Vivekanand College, Kolhapur)
- **Anchor:** **1. Roshani Barboza**  
**2. Rutuja Walvekar**
- **Vote of Thanks:** **Mayuri Gaikwad**

Venue: Botany Lab

Time: 11:00 am onwards

Day: Wednesday

Date: 09/02/2022



Participating student's attendance

Sr. No.	Name of the Student	Class	Mobile No.	Signature
1	Amruta Lavasa Khodbale		9637861491	Ajchale
2	Pallavi Sunil Chandanshive			
3	Mayuri Sayan Gaikwad		9404716547	Mayuri Gaikwad
4	Rutuja Sardar Walvekar		8421932520	Rutuja Walvekar
5	Pranali Vijay Gurav		8698934874	Pranali Gurav
6	Roshani Ruzario Barboza		9665782408	Roshani Barboza
7	Ankita Vilas Pawar		7887592195	Ankita Pawar
8	Pooja Ramchandra Patil	B.Sc. III (Botany)	8459067135	Pooja Patil
9	Megha Sadashiv Khot		9890698086	Megha Khot
10	Shamal Shridhar Patil		7028804378	Shamal Patil
11	Harshada Dattatry Patil		7773991317	Harshada Patil
12	Nikita Sanjoo Patil		8888344010	Nikita Patil
13	Saloni Sardar Angre		9370711100	Saloni Angre
14	Shital Shamrao Parande		9075822625	Shital Parande
15	Nikita Raghunath patil		9975437269	Nikita Patil
16	Amita Savaji patil		7972650410	Amita Patil
17	Shrutikshi Shahaji Shinde	Bio tech. opt III	9667632734	Shrutikshi Shinde
18	Saloni Vijay Lambu		9588667128	Saloni Lambu
19	Aishwarya Bhagvan Sasane		9881934600	Aishwarya Sasane
20	Aakanksha Ashok Patil		7745009233	Aakanksha Patil
21	Anirudha Krishna Wadeyar		7448225966	Anirudha Wadeyar
22	Makarand Mohan Gokhale		7769966003	Makarand Gokhale
23	Pallavi Uday Nalawade		8329882209	Pallavi Nalawade
24	Abhishek Narsingrao Kesarkar		9657388427	Abhishek Kesarkar
25	Sohan Ramesh Patil	B.Sc. II (Plant Protection)	7887424835	Sohan Patil
26	Prajakta Rajaram Kesarkar		9359897400	Prajakta Kesarkar
27	Shubhangi Krishnat Khot		9881322266	Shubhangi Khot
28	Rutuja Vitthal Kadam		7385145448	Rutuja Kadam
29	Prajakta Sanjay Mhatugade		9325765447	Prajakta Mhatugade
30	Akanksha Harishchandra Khade		7057009272	Akanksha Khade
31	Dhanashri Krushnat Benade		7447282003	Dhanashri Benade
32	Pradnya Bhikaji Patil		9112840857	Pradnya Patil
33	Shardha Shankar Gaikwad		9623678344	Shardha Gaikwad
34	Apeksha Yashavant Gaikwad		9767687572	Apeksha Gaikwad
35	Yash Aji Rukdikar		9823728098	Yash Rukdikar
36	Siddhi Milind Chavan		7028199651	Siddhi Chavan
37	Krishnaraj Palghat	B.B.A. I	9518358963	Krishnaraj Palghat
38	Shreyas Chavan Tanaji		8308612747	Shreyas Chavan
39	Megha Nandkumar Barge	Biotech. opt. (III)	9325456044	Megha Barge
40	Sanmati Aannaso Khot	B.Sc. II (P.P.)	7767929108	Sanmati Khot
41	Hosshwardha Ajitsingh Gharpade	B.Sc. II	9146811918	Hosshwardha Gharpade
42	Chivanet Bhimrao Londhe	B.Sc. II	9881037852	Chivanet Londhe
43	Rutuja Laxman Naik	B.Sc. II	8956128886	Rutuja Naik
44	Soundarya Sanjay Khot	BSC II	8080282028	Soundarya Khot



Participating student's attendance

Sl No	Name of the student	Mob.No.	Signature
1)	Amruta Talyaso Khadbale		
2)	Pallavi Sunil Chandanshive		
3)	Mayuri Sayaji Gaikwad	9404716547	
4)	Rutuja Sardar Wolvekar	8421932520	
5)	Pranali Vijay Gawai	8698934874	
6)	Roshani Ruzario Barboza	9665782408	
7)	Ankita Vilas Pawar	7887592195	
8)	Pooja Ramchundea Patil	8459067135	
9)	Megha Sadashiv Khot	9890698080	
10)	Shamal Shridhar Patil	7028804378	
11)	Harshada Dattatry Patil	7773991317	
12)	Nikita sanjerna Patil	8888344010	
13)	Saloni Sardar Angre	9370711100	
14)	Shital Shamrao Ganande	9075822625	
15)	Nikita Raghunath patil	9975487269	
16)	Amika Sayaji Patil	7972650410	





Participating student's attendance

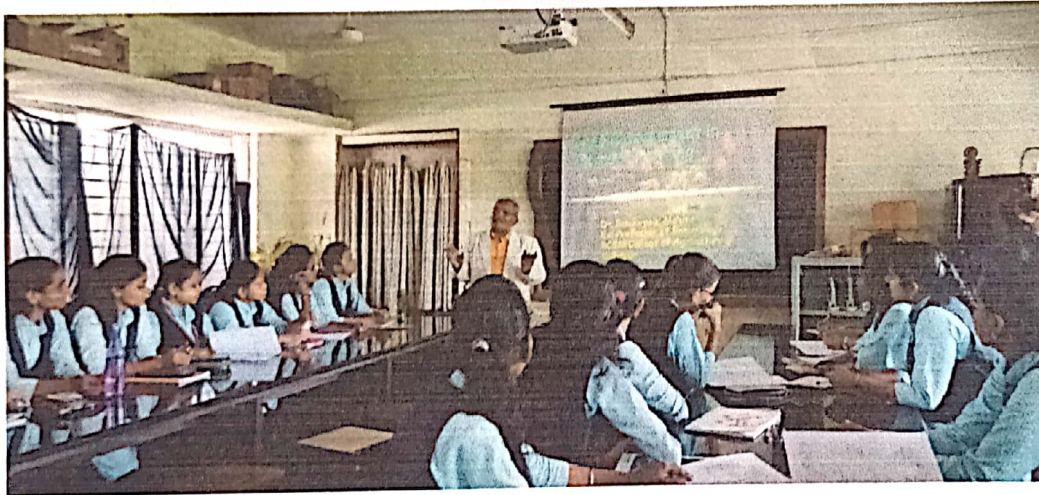
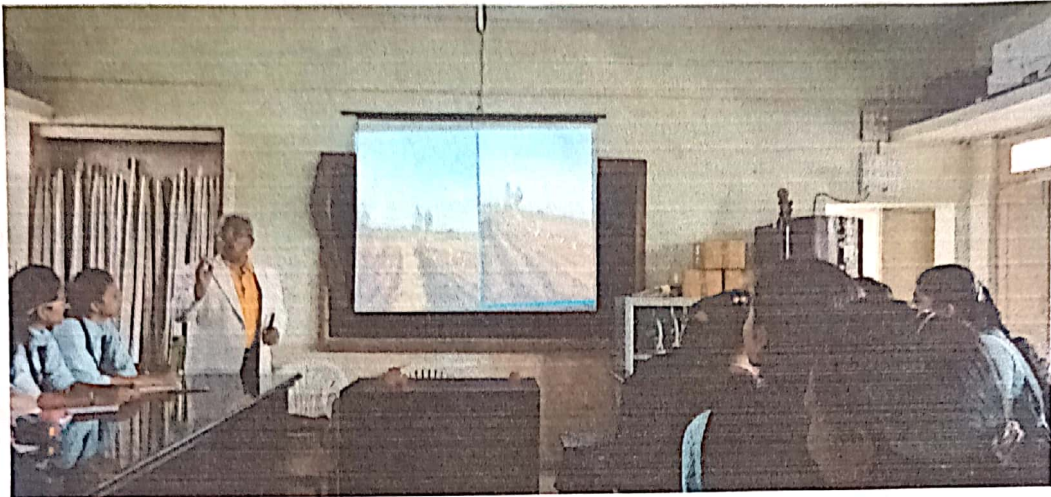
Plant Protection.

S.Y. B.Sc

1) Aishwarya Bhagvan Saurane	9881934600	<u>Rushik</u>
2) Akanksha Ashok Patil.	7745009233	<u>Madis</u>
3) Anindha Krishna Wadegar.	87448225966	<u>Ujwal</u>
4) Makarand Mohan Gokhale.	7769966003	<u>Mhughale</u>
5) Pallavi Uday Nalawade.	8329882209	<u>Pallavi</u>
6) Abhishek Narsingrao Kejarkar	9657388427	<u>Abhishek</u>
7) Sohan Ramesh. Patil	7887424835	<u>So</u>
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13) Dhanashei Keushnat Benade.	7447282003	<u>Benade</u>
14) Pradnya Bhikaji Patil	9112840857	<u>Pradnya</u>
15) Shradha Shankar Gaikwad	8623678344	<u>Shradha</u>
16) Apeksha Yashavant Gaikwad	9767687572	<u>Gaikwad</u>



Snapshot of Prof. Dr. P.B. Mohite delivering lecture to the B.Sc II and III students





Estd.: June 1964

College Recog.No. H.S.C./ 1074/R-1/DT : 8-8-1976  
College Code No. 23-09-002  
College U.Dise No. 27341301006

"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"  
-शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha's

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(अधिकारप्रदत्त स्वायत्त)  
कोल्हापूर

Ph. : 0231-2658612 | Fax : 0231-2658840 | Resl.: 0231-2653962 | Website : www.vivekanandcollege.ac.in | E-mail : info@vivekanandcollege.org

Founder  
Dr. Bapuji Salunkhe  
D.Lit.

President  
Hon. Chandrakant Dada Patil  
MLA

Chairman  
Prin. Abhaykumar Salunkhe  
M.A.

Secretary  
Prin.Mrs. Shubhangi Gawade  
M.Sc.,B.Ed.

Principal  
Dr. R. R. Kumbhar  
M.Sc.,M.Phil.,Ph.D.

Date : 09/02/2022

Ref. No. VCK/

### Letter of Appreciation

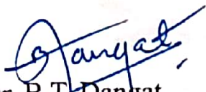
We are extremely grateful to you for accepting our invitation and delivering a guest lecture on the topic of "Non-Chemical Methods of Pest Control". Your lecture was very informative, engaging, and inspiring for our students and faculty members. You covered various aspects of the subject with clarity and depth, and also answered the queries of the audience with patience and expertise.

We appreciate your generosity and willingness to share your valuable knowledge and experience with us. Your lecture has enhanced our understanding of the importance and challenges of plant diversity and conservation in the present scenario. We hope to have more opportunities to learn from you in the future.

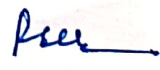
Thanking you once again for your time and service.

Place: Kolhapur

Date: 09/02/2022

  
Dr. B.T. Dangat  
Head  
Department of Botany  
Vivekanand College  
Kolhapur



  
Dr. R. R. Kumbhar  
PRINCIPAL  
Vivekanand College  
Kolhapur



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Vivekanand College, Kolhapur (Empowered Autonomous)

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## Department of Botany

Date-10/02/2022

### One page report on guest lecture on Organic Farming

On 9<sup>th</sup> February 2022, the Department of Botany at Vivekanand College, Kolhapur (autonomous) organized a guest lecture on organic farming by Prof. P.B. Mohite, a well-known entomologist and researcher at college of agriculture, Kolhapur. The title of the lecture was "Non-Chemical Methods of Pest Control", which aimed to introduce the students to the various alternatives to chemical pesticides for managing pest populations in crops. Non-chemical methods of pest control are alternative ways to manage pests without using synthetic pesticides. They are based on the principles of integrated pest management (IPM), which aims to reduce the use, risk and dependence on pesticides, and to promote sustainable agriculture and ecologically sound pest management.

Prof. Mohite explained the different types of non-chemical methods, such as cultural, physical, mechanical and behavioral control. He gave examples of each method and how they can be applied in different crops and situations. He also discussed the advantages and disadvantages of non-chemical methods, as well as the challenges and opportunities for their adoption by farmers.

Some of the main points of the lecture were:

- Cultural control involves modifying the crop environment or practices to make it less favorable for pest development and survival. For example, crop rotation, intercropping, sanitation, resistant varieties, etc.

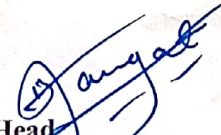


- Physical control uses temperature, heat, pressure, light, etc. to kill or repel pests. For example, solarization, hot water treatment, cold storage, UV traps, etc.
- Mechanical control uses devices or machines to physically remove or exclude pests. For example, entoleter, sieves, screens, nets, etc.
- Behavioral control uses substances or stimuli that affect the behavior of pests, such as attraction, repulsion, confusion, etc. For example, insect pheromones, kairomones, plant extracts, etc.

Prof. Mohite concluded the lecture by highlighting the benefits of non-chemical methods, such as:

- They are less expensive and more accessible than pesticides
- They are safer for human health and the environment
- They preserve the natural enemies and biodiversity
- They reduce the risk of pest resistance and resurgence
- They enhance the quality and quantity of the produce

He also emphasized the need for more research, extension and education on non-chemical methods, as well as the integration of different methods for effective and sustainable pest management.

  
 Head  
 Head  
 Department of Botany  
 Vivekananda College  
 Kolhapur





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Vivekanand College, Kolhapur (Empowered Autonomous)



Internal Quality Assurance Cell  
2022-23

### Quality Initiatives/ Activities Report

**1. Name of Department:** Botany

**2. Name of Organized Activity:** Guest Lecture

**3. Date/ Duration:** 9<sup>th</sup> February 2022

**4. Aims and Objectives:**

1. To introduce the students to the concept and importance of non-chemical pest control methods in agriculture.
2. To provide the students with an overview of the different types of non-chemical pest control methods, such as biological, cultural, mechanical, and physical control.
3. To illustrate the advantages and disadvantages of non-chemical pest control methods compared to chemical pest control methods, such as environmental friendliness, cost-effectiveness, safety, and efficacy.
4. To demonstrate the application and effectiveness of non-chemical pest control methods using various examples, illustrations, and demonstrations.
5. To stimulate the students' interest and curiosity in non-chemical pest control methods and encourage them to explore further and learn more about them.

**5. No. of beneficiaries:** 76

**6. Expenditure & funding agency:/collaborators:** No

**7. Brief description:**

The guest lecture on Non-Chemical Methods of Pest Control was an informative and engaging session that introduced the students to the concept, types, advantages, disadvantages, and applications of non-chemical pest control methods in agriculture. The speaker, Prof. Dr. P. B. Mohite, used various examples, illustrations, and demonstrations to explain the principles and techniques of biological, cultural, mechanical, and physical control of pests. The lecture also stimulated discussion and interaction among the students and the speaker, and enhanced the students' knowledge and awareness of non-chemical pest control methods and their potential for improving crop production and protection.

**8. Outcome**

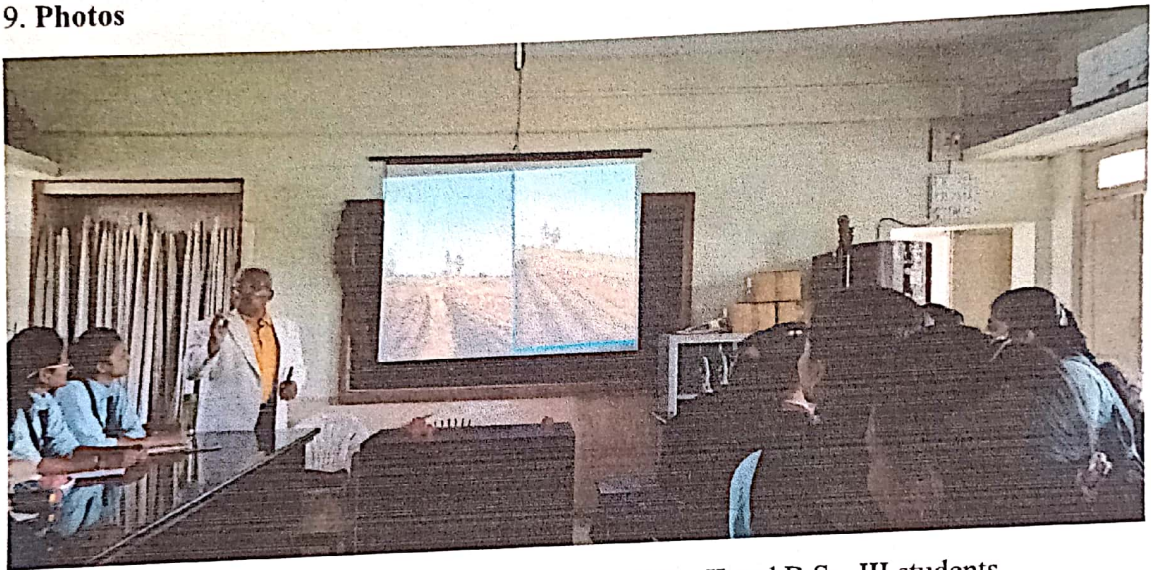
The students learned new things and gained a new perspective on non-chemical pest control methods in agriculture.



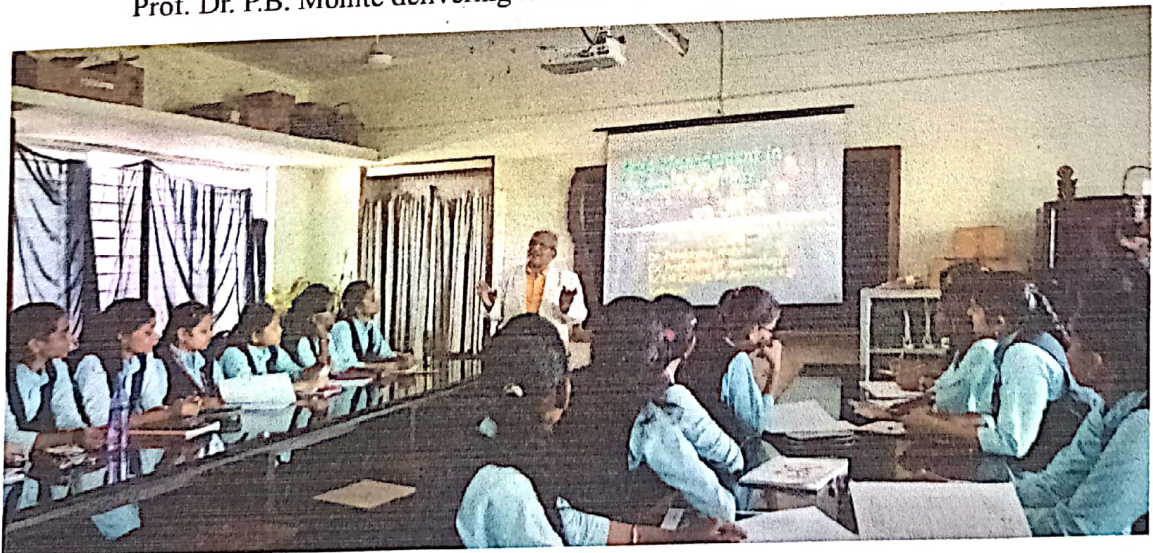


- The students improved their learning in a more interactive, topic-specific way, as they engaged with the speaker and asked and answered questions.
- The students developed multiple skills, such as critical thinking, reasoning, planning, and problem-solving, as they learned from the speaker's real-life experiences and examples.
- The students became more interested and curious about non-chemical pest control methods and were encouraged to explore further and learn more about them.
- The teacher also enhanced their knowledge and practices by learning from the speaker's expertise and insights.

#### 9. Photos



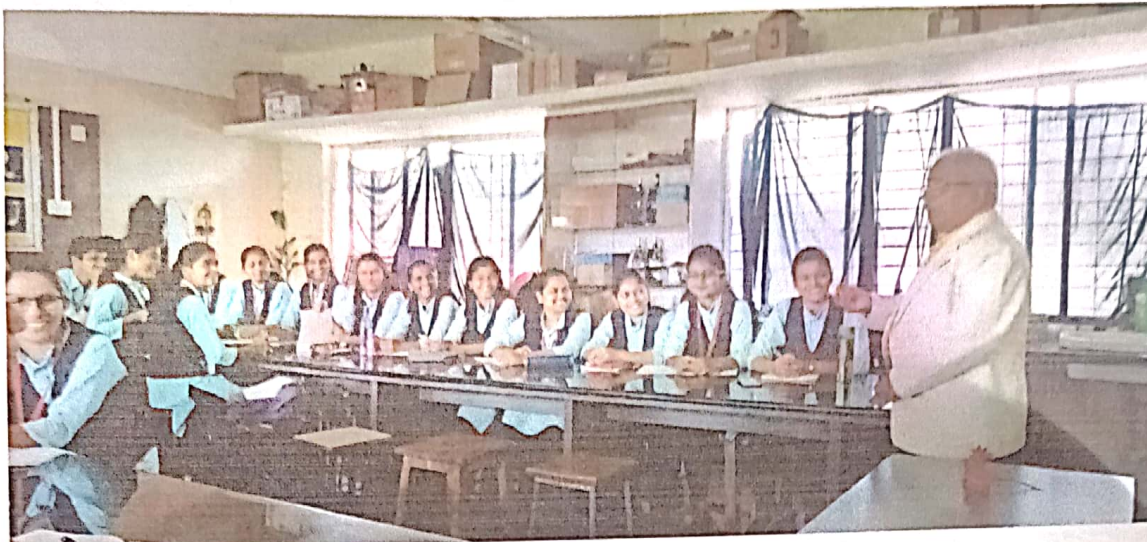
Prof. Dr. P.B. Mohite delivering lecture to B.Sc. II and B.Sc. III students



Students listening carefully to Prof. P. B. Mohite sir during the lecture

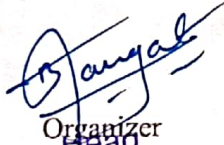







Students interacting with Prof. P. B. Mohite

10. Signature of Co-ordinator/organizer.

  
Organizer  
Head  
Department of Botany  
Vivekanand College  
Kolhapur



  
Principal  
Vivekanand College  
Vivekanand College, Kolhapur  
Kolhapur